Marked-Up Version of the Amended Claims

20. (Amended) A ~~communication~~ modem device capable of communicating information with a host via a host interface, said information including command information and data information, said device comprising:

a controller in communication with said host interface for receiving said information from said host;

a physical channel interface including a data pump; and

a physical channel in communication with said controller and said physical channel interface, said physical channel including a logical command channel and a logical data channel;

wherein said controller provides said command information to said physical channel interface via said logical command channel and provides said data information to said physical channel interface via said logical data channel, and wherein said command information includes a command type defining said logical command channel, and said data information includes a data type defining said logical data channel.

31. (Amended) A ~~communication~~ modem device capable of communicating information with a host via a host interface, said information including command information and data information, said device comprising:

a controller in communication with said host interface for receiving said information from said host;

a plurality of physical channel interfaces, each of said plurality of physical channel interfaces including a data pump; and

a plurality of physical channels, wherein said controller is in communication with each of

said physical channel interfaces via at least one of said plurality of physical channels, and

wherein at least one of said plurality of physical channels includes a logical command channel

and a logical data channel;

wherein said controller provides said command information to said at least one of said

plurality of physical channel interfaces via said logical command channel and provides said data

information to said at least one of said plurality of physical channel interfaces via said logical

data channel, and wherein said command information includes a command type defining said

logical command channel, and said data information includes a data type defining said logical

data channel.

42. (Amended) A method of communicating information between a ~~communication~~

modem device and a host via a host interface, said device including a controller in

communication with said host interface and a physical channel, wherein said physical channel is

in communication with a physical channel interface having a data pump, and said information

including command information and data information, said method comprising:

defining a logical command channel in said physical channel based on a command type;

defining a logical data channel in said physical channel based on a data type;

providing said command information, including said command type, to said physical

channel interface via said logical command channel; and

providing said data information, including said data type, to said physical channel

interface via said logical data channel.

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Clean Version of the Amended Claims

20. (Amended) A modem device capable of communicating information with a host via a host interface, said information including command information and data information, said device comprising:

a controller in communication with said host interface for receiving said information from said host;

a physical channel interface including a data pump; and

a physical channel in communication with said controller and said physical channel interface, said physical channel including a logical command channel and a logical data channel;

wherein said controller provides said command information to said physical channel interface via said logical command channel and provides said data information to said physical channel interface via said logical data channel, and wherein said command information includes a command type defining said logical command channel, and said data information includes a data type defining said logical data channel.

31. (Amended) A modem device capable of communicating information with a host via a host interface, said information including command information and data information, said device comprising:

a controller in communication with said host interface for receiving said information from said host;

a plurality of physical channel interfaces, each of said plurality of physical channel interfaces including a data pump; and

a plurality of physical channels, wherein said controller is in communication with each of

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said physical channel interfaces via at least one of said plurality of physical channels, and wherein at least one of said plurality of physical channels includes a logical command channel and a logical data channel;

wherein said controller provides said command information to said at least one of said plurality of physical channel interfaces via said logical command channel and provides said data information to said at least one of said plurality of physical channel interfaces via said logical data channel, and wherein said command information includes a command type defining said logical command channel, and said data information includes a data type defining said logical data channel.

42. (Amended) A method of communicating information between a modem device and a host via a host interface, said device including a controller in communication with said host interface and a physical channel, wherein said physical channel is in communication with a physical channel interface having a data pump, and said information including command information and data information, said method comprising:

defining a logical command channel in said physical channel based on a command type;

defining a logical data channel in said physical channel based on a data type;

providing said command information, including said command type, to said physical channel interface via said logical command channel; and

providing said data information, including said data type, to said physical channel interface via said logical data channel.

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